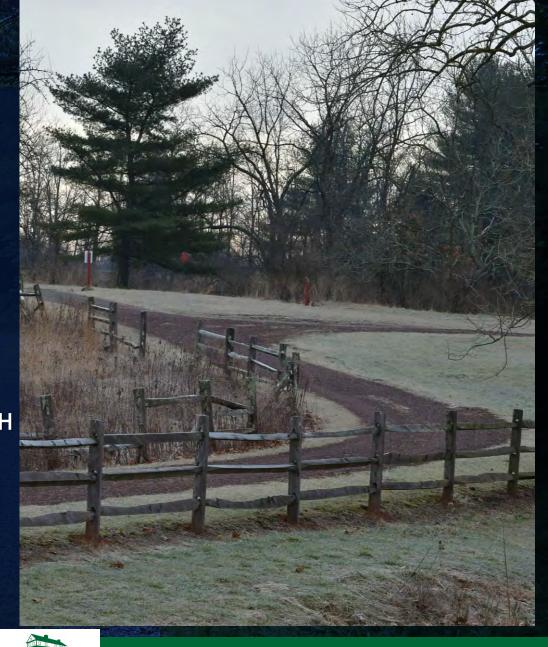


Project Committee

- Greg Apgar Maintenance Repairman
- Jeff Becker Building Maintenance Foreman
- Stephanie Brock Equestrian
- Joe Flannery Walker
- Heather Hicks Site Manager
- Steve Jacoby Birdwatcher/Wildlife
- Michelle Kircher Board of Supervisors Liaison
- Brad Kissam Founding Board Member of the Friends of DBH
- Diane Kruegers Volunteer
- Jim Lewars Former Site Administrator
- Amanda Machik Former Museum Director at DBH
- Janice Mullin PHMC Bureau Office
- David Weld Hawk Mountain/Boy Scouts





Agenda

- 1. Consultant Team Introduction
- 2. Project Schedule
- 3. Scope of Work
- Demographics
- **Existing Data**
 - Site Inventory
 - **Natural Resources Inventory**
 - **Historic Core Structures**
 - Site Reconnaissance
- **Berks County Return on Environment Report**
- **Brainstorming and Discussion**
- 8. Online Public Opinion Survey
 - https://www.surveymonkey.com/r/DanielBooneHomestead
- 9. Wiki Mapping
 - https://wikimapping.com/DanielBooneHomestead.html







SIMONE COLLINS LANDSCAPE ARCHITECTURE - 610.239.7601

- Peter Simone, RLA, FASLA, Principal psimone@simonecollins.com
- Pankaj Jobanputra, AICP, Project Manager pjobanputra@simonecollins.com
- Melissa Barley, Staff Landscape Architect <u>mbarley@simonecollins.com</u>
- Geoff Creary, Land. Arch., Trails & Connectivity Expert / Graphics gcreary@simonecollins.com

APPLIED ECOLOGICAL SERVICES, Inc. (AES)

- Michael J. McGraw, MES, QAWB, ACE, Senior Wildlife Biologist, Ecologist <u>michael.mcgraw@appliedeco.com</u>
- Jessie Buckner, M.S., Ecologist jessie.buckner@appliedeco.com

Frens and Frens, LLC.

 Carol Quigley, Senior Designer/Project Manager cquigley@patterhn-ives.com





Simone Collins Landscape Architecture projects

Bucks County,

Pennsbury Manor







Historic Landscape

Simone Collins is a part of a multi-disciplinary team selected by the Pennsylvania Department of General Services to complete site improvements at Pennsbury Manor, William Penn's home on the banks of the Delaware River, located in Morrisville, PA. SC's services include circulation system upgrades and planting design in conformance to the Secretary of the Interior's Standards for the Treatment of Historic Properties.



Fricks Lock Village





Heritage Development Master Planning

Simone Collins served as the prime consultant to East Coventry Township to prepare a Feasibility Study for Fricks Lock Village in Chester County, Pennsylvania. The historic canal village is an 18acre site along the Schuylkill River, with a remarkable collection of extant artifacts from the nation's canal era. SC analyzed the potential for adaptive reuse and interpretation of multiple historic structures, including Locks #54 and #55 and aqueduct of the former Schuvlkill River Navigation System. The Village was identified as a premier cultural and historic resource in the Schuylkill River Heritage Corridor Management Action Plan and is eligible



Delaware Canal Vision Study





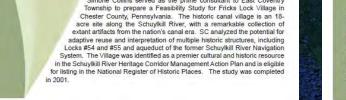


Regional Planning Public Involvement

Simone Collins is the prime consultant for the Delaware & Lehigh National Heritage Corridor, Inc. and its partners, DCNR, Delaware Canal 21 and the Friends of the Delaware Canal, to conduct a public "Vision" study funded by the William Penn Foundation.

This visioning process identifies issues and opportunities along the entire 60-mile Delaware Canal State Park and D&L Trail between Easton and Bristol, Pennsylvania.

SC led six public meetings and multiple stakeholder meetings to engage partners in articulating goals for creating a fully sustainable, watered Canal for the 21st









Applied Ecological Services projects

Bradley Lake Restoration Lake, Pond, and Shoreline Restoration Design



Proposed Lake and Channel Restoration Grades (1° Contours). Green: Emergent Vegetation; Light Blue: Floating Aquatic or Aquatic Vegetation; Blue: Deep Over-Wintering Fish Pool; Orange: Rioranged Area.

Contact

Environment - DePere Staci Goetz, Project Geolo 920.562.9094 staci goetz@foth.com e: Habitat Restoration Plan Sturgeon Bay, Door County



In November 1929, the City of Stugeon Bay, WI purchased Bradley Lake (then known as Little Lake) and 25 acres south of the Lake. Little Lake had become a bog or mud flat due to the industrial and landfill activities of a sawmill and the dumping of refuse in the area of the partially-filled lake, thus contaminating the lake area and groundwater essentially leaving Little Lake with no commercial value. Efforts began in 1931 to revitalize the area, but failed due to the ecomony and Great Depression.

The City has been working for over a decade to restore the water quality to this seenage lake that has been degraded.

primarily by urban stormwater runoff. Pre-treatment wetlands have recently been created to filter the runoff. The next phase involves the removal of high nutrient sediment from the lakebed and the development of aquatio habitat conducive to sustaining native fish species.

In 2018, AES and Foth worked together to develop a concept habitat restoration plan for Bradley Lake in conjunction with a lake dredging plan prepared by Foth. The general goal of the restoration plan was to incorporate a high quality fishery habitat into the dredging plan in such a way that is aesthetically pleasing in a community park setting (Sunset Park), and provides access for fishing.

Because Bradley Lake is hydrologically connected to Lake Michigan, the concept plan is intended to provide deep (> 10°), transitional (6°-10°), and littoral (1'-4") habitat during periods of low, normal, and high water levels. The restoration is designed to provide spawning, nursery, foraging, and over-wintering habitat for sport fish including northern pike, smallmouth bass, and sunfish.

Native vegetation will be planted within and along the lakeshore that will provide aquatio and littoral/shoreline habitat for species. In addition, a native prairie plant buffer will be developed between the lake and Sturgeon Bay, to further filter runoff and to create additional terrestrial habitat. Catawissa Nature Preserve Design-Build
Stream Restoration and Bank Stabilization Design



The Catawissa Nature Preserve is a small woodlot in Langhorne Borough surrounded by residential development. Despite its small size, this site has tremendous value for residents in that it offers an escape to nature just blocks from the center of the Borough.

An additional value is that the site receives nearly half of the entire Borough's stormwater via a 36" pipe; thus, the site offers excellent stormwater management opportunities. The 36" culvert is the "headwaters" of an ephemeral stormwater tributary to the Neshaminy Creek locally referred to as Catawissa Creek.

Due to increased development in the upper watershed coupled with the increasing trend of intense episodic rain events. this creek experiences flashly conditions and has suffered significant erosion. The streambanks have been down-out more than seven feet deep along some reaches, resulting in a cascade of deleterious ceological effects (lowered water table, invasive plant colonization, reduction in water quality, loss of wildlifer habitat, etc.).

AES was engaged to design, permit, and construct a solution. Our ecologists and stream designers quickly assessed the site and produced a design that includes:

- Raising the stream bed to restore the hydrology and reconnect the floodplain to the stream;
- Stabilizing the streambanks to withstand increased stormwater flows without failure;
- Creating in-stream critical habitat for benthic macroinvertebrates and stream-associated amphibians;
- Removing invasive plant species and restoring various forest strata with native trees, shrubs, wildflowers, and grasses that are historically relevant;
 Creating a new ADA trail network that includes interpretive signage about the restoration with benches at key destinations.

The design was approved by the Bucks County Soils Conservation District, PADEP, 8 USEPA and was constructed in April and May 2018. The site has endured multiple significant rain events and has proven to be a successful and stable stream restoration. Ongoing habitat maintenance and trail work have allowed increased will improve wildlife habitat and user amenities, thus significantly increasing the site's functionality and importance for local bird, reptile/amphibian, and pollinator insect populations. A significant increase in dragorifly, damselfly, and frog populations has already been documented. These are natural control agents for mosquitoes!



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North Pond Parkland Master Planning Natural Landscapes as Recreational Spaces



In the late 1990s, the Lincoln Park Conservancy asked AES to design and construct the natural areas surrounding North Pond in the historic Lincoln Park near Lake Michigan in a northern Chicago neighborhood. The natural landscape has become a favorite destination for residents and visitors who enjoy the beauty of the wildflowers and the wildlife

In 2012, AES was awarded a contract by the Conservancy to design the master plan for the entire North Pond site (43 acres). Our planning and design work was initiated in early August. A draft master plan was completed in January of 2013 and presented as part of the annual fund raising gala in March.

The goal of the master plan was to design a 21st century park, a new kind of park where nature provides working functions in the park. The park is envisioned as providing recreational needs as well as supplying ecosystem functions that benefit the City of Chicago.



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Daniel Boone

Frens and Frens projects





PENNSYLVANIA HISTORICAL & MUSEUM COMMISSION

HISTORIC PRESERVATION CONSULTING SERVICES 3 TERM CONTRACTS (1999-2014)

Contract highlights include:

- replacement of custom oak shingle roof at four buildings at Ephrata
- restoration of the windows and roof at Cornwall Iron Furnace;
- restoration of doors and windows at Conrad Weiser Homestead restoration of the Morris Barn at the Highlands Historic Site; and
- restoration of log structures at Daniel Boone Homestead and Landis Valley

Additionally, managed an 80-firm design/build team as part of the \$6M contract ith the Commonwealth.





THOMPSON-NEELY HOUSE & FARMSTEAD

HISTORIC STRUCTURE REPORT COMPLETED 2003

The Thompson-Neely House is on the National Register of Historic Places and is a fine example of vernacular 18th-century architecture. Its expansion from a low, one-room dwelling to a two-story, multi-roomed farmhouse reflects the growth of colonial Pennsylvania's agricultural economy and the prosperity enjoyed by those who milled grain into flour for export.

Once the centerpiece of aworking farm and milling complex, the Thompson-Neely House is surrounded by the numerous outbuildings supportive of 18th-century farm life.

The Historic Structure Report was commissioned by the Pennsylvania Historical and Museum Commission.





WEST WHITELAND TOWNSHIP, PA

HISTORIC STRUCTURE REPORT COMPLETED 2007 BUILDING ENVELOPE CONSERVATION COMPLETED MARCH 2008

The Thomas Mill is a 1-1/2 story, timber-frame structure constructed on an embanked, uncoursed, rubble-stone masonry ground story. Based BEFORE view from NE (above) & on historical documentation and dendrochronology, the building was constructed in 1744, by Richard Thomas II. Operated as a custom grist mill until c.1940, the property remained in the Thomas family until 1998. The Thomas Mill has several features that are entirely typical of an eighteenth century custom mill as well as other highly unusual timber framing details and exterior sidelapped oak shingle wall covering.



A historic structure report was completed for the mill and construction documents were prepared for the structural stabilization and exterior preservation of the mill.



Project Schedule

Meeting Title	Meeting Date	Meeting Time
Committee Meeting #1	Tuesday, January 12	7PM-9PM
Committee Meeting #2	Thursday, February 25	2PM-4PM
Public Meeting #1 - Programming / Brainstorm	Tuesday, March 9	7PM-9PM
PHMC Meeting #1	Tuesday, April 20	TBD
Committee Meeting #3	Thursday, April 29	2PM-4PM
Public Meeting #2 - Initial Concepts	Thursday, May 27	7PM-9PM
Committee Meeting #4	Tuesday, June 29	2PM-4PM
Key Person Interviews (10)	Dates TBD	TBD
Web Based Survey - write and administer	April 1 through September 1	online
Wiki - Mapping interactive community mapping	April 1 through September 1	online
Public Meeting #3 Draft Plan - BOS Meeting	Monday, September 27	7PM-9PM
PHMC Meeting #2	Thursday, October 7	TBD
Committee Meeting #5	Tuesday, November 16	2PM-4PM
Public Meeting #4 - Final Plan	Tuesday, November 30	7PM-9PM



Scope of Work

- Public Participation
- Background Data Collection
- Site Information and Analysis
 - AES Scope of Ecological Services
 - Review Secondary Data
 - Conduct a robust natural resource inventory to support myriad planning and design initiatives
 - Ecological Recommendations
 - Design Support
 - Participation in Meetings and Educational Opportunities
 - Project Management and Agency Coordination
 - Man-Made Infrastructure
- Activities and Facilities Analysis
- Needs Assessment
- Design Process
- Cost Estimates
- Maintenance, Operating Costs and Revenue
- Security Analysis
- Deliverables Master Plan Reports, Plans, Executive Summaries, etc.



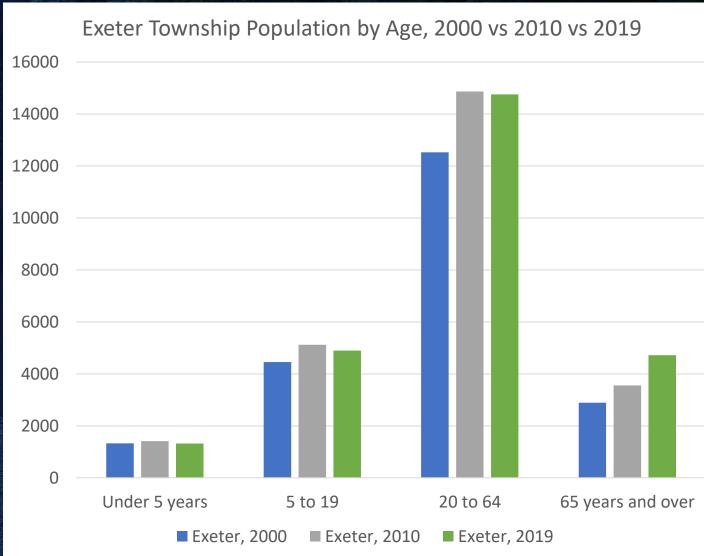
Exeter Township Population Change by

Age

- Overall increase in population
- Slight decrease in population for ages under 65 years

	Exeter, 2000	Exeter, 2010	% change
Under 5 years	1,324	1,411	6.6%
5 to 19	4,453	5,119	15.0%
20 to 64	12,523	14,865	18.7%
65 years and over	2,887	3,556	23.2%
total	21.187	24.951	17.8%

	Exeter, 2010	Exeter, 2019	% change
Under 5 years	1,411	1,319	-6.5%
5 to 19	5,119	4,896	-4.4%
20 to 64	14,865	14,755	-0.7%
65 years and over	3,556	4,719	32.7%
total	24,951	25,689	3.0%

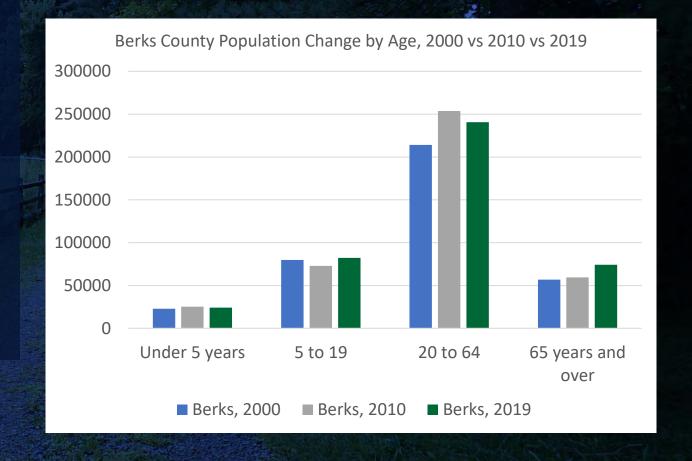


Berks County Population Change by Age

- Overall increase in population
- Slight decrease in population for ages under 5 years, and ages 20 to 64

	Berks, 2000	Berks, 2010	% change
Under 5 years	22823	25288	10.8%
5 to 19	79826	72848	-8.7%
20 to 64	214,122	253,748	18.5%
65 years and over	56,867	59,558	4.7%
total	373,638	411,442	10.1%

	Berks, 2010	Berks, 2019	% change
Under 5 years	25288	24098	-4.7%
5 to 19	72848	82248	12.9%
20 to 64	253,748	240,605	-5.2%
65 years and over	59,558	74,213	24.6%
total	411,442	421,164	2.4%





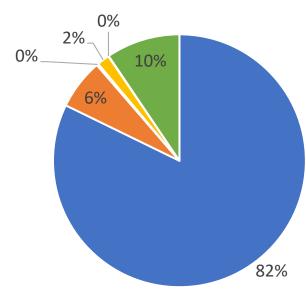
Berks County and Exeter Township Race and Ethnicity

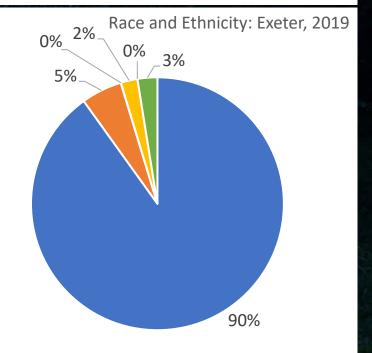
 Overall increase in racial minorities in the past decade, accept American Indian in Berks County

	Berks, 2010	Berks, 2019	% change
White	342,148	338,473	-1.1%
Black or African American	20,143	26,533	31.7%
American Indian and Alaska Native	1,285	961	-25.2%
Asian	5,385	6,574	22.1%
Native Hawaiian and Other Pacific Islander	128	208	62.5%
other race	42,353	38,929	-8.1%

	Exeter, 2010	Exeter, 2019	% change
White	23,166	22,724	-1.9%
Black or African American	1,056	1,315	24.5%
American Indian and Alaska Native	0	8	100.0%
Asian	360	537	49.2%
Native Hawaiian and Other Pacific Islander	0	0	0.0%
other race	146	639	337.7%



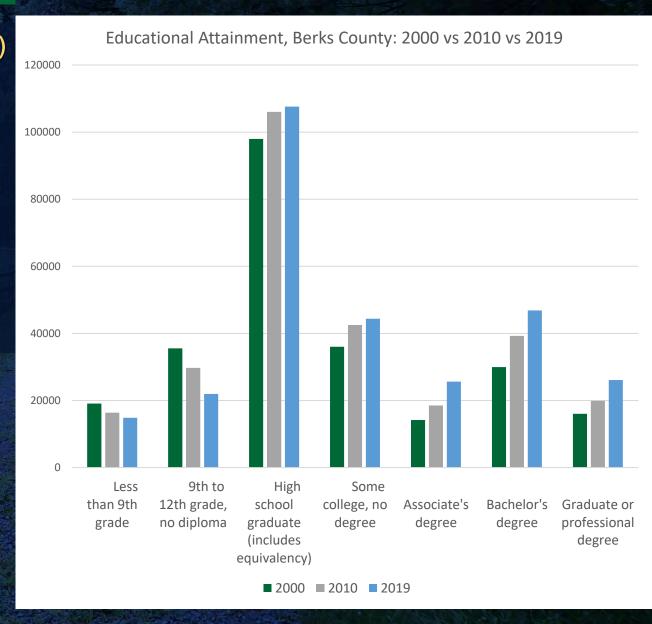




Berks County Educational Attainment (25+ years)

- Highest increase in associate degrees and graduate degrees
- Decrease in high school dropouts

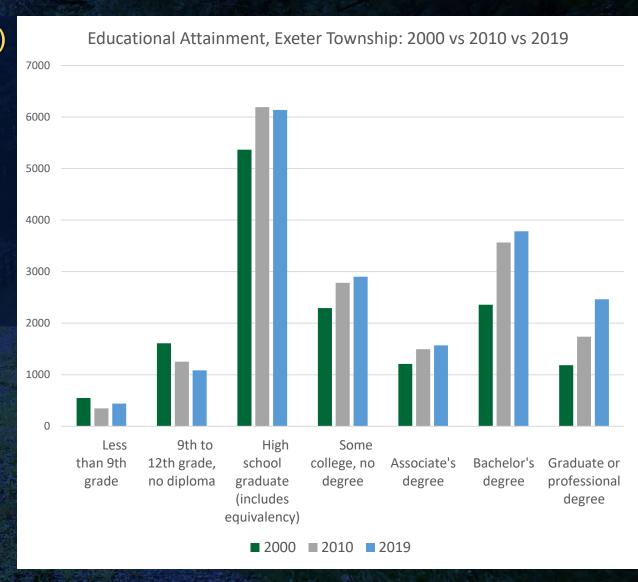
			%
Educational Attainment: population 25+ years	2000	2010	change
Total population	373,638	411,442	10.1%
Less than 9th grade	19103	16355	-14.4%
9th to 12th grade, no diploma	35548	29712	-16.4%
High school graduate (includes equivalency)	97979	106035	8.2%
Some college, no degree	36048	42523	18.0%
Associate's degree	14175	18536	30.8%
Bachelor's degree	29954	39252	31.0%
Graduate or professional degree	16057	19899	23.9%
Educational Attainment: population 25+ years	2010	2019	% change
Educational Attainment: population 25+ years Total population	2010 411,442		, ,
			change
Total population	411,442	421,164	change
Total population Less than 9th grade	411,442 16355	<i>421,164</i> 14828	change 2.4% -9.3%
Total population Less than 9th grade 9th to 12th grade, no diploma	411,442 16355 29712	421,164 14828 21972	change 2.4% -9.3% -26.0%
Total population Less than 9th grade 9th to 12th grade, no diploma High school graduate (includes equivalency)	411,442 16355 29712 106035	421,164 14828 21972 107603	change 2.4% -9.3% -26.0% 1.5%
Total population Less than 9th grade 9th to 12th grade, no diploma High school graduate (includes equivalency) Some college, no degree	411,442 16355 29712 106035 42523	421,164 14828 21972 107603 44390	change 2.4% -9.3% -26.0% 1.5% 4.4%



Exeter Township Educational Attainment (25+ years)

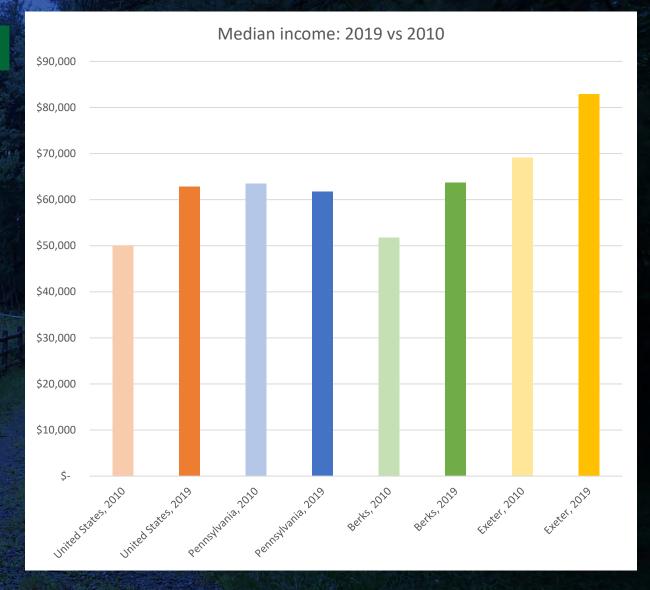
- Highest increase in graduate degrees
- Decrease in high school dropouts

Educational Attainment: population 25+ years	2000	2010	% change
Total population	21187	24951	17.8%
Less than 9th grade	549	348	-36.6%
9th to 12th grade, no diploma	1610	1252	-22.2%
High school graduate (includes equivalency)	5367	6192	15.4%
Some college, no degree	2292	2783	21.4%
Associate's degree	1210	1496	23.6%
Bachelor's degree	2359	3566	51.2%
Graduate or professional degree	1185	1739	46.8%
Educational Attainment: population 25+ years	2010	2019	% change
Total population	24951	25689	3.0%
Less than 9th grade	348	441	26.7%
9th to 12th grade, no diploma	1252	1085	-13.3%
High school graduate (includes equivalency)	6192	6138	-0.9%
Some college, no degree	2783	2901	4.2%
Associate's degree	1496	1570	4.9%
Bachelor's degree	3566	3784	6.1%
Graduate or professional degree	1739	2465	41.7%



Median Household Income Comparison (2010 vs 2019)

• Exeter Township has a higher median household income than the county, state, and country.

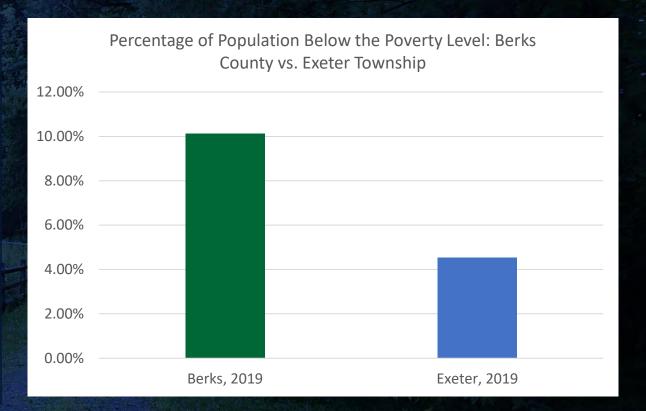


	United States,	United States,	Pennsylvania,	Pennsylvania,				
	2010	2019	2010	2019	Berks, 2010	Berks, 2019	Exeter, 2010	Exeter, 2019
	\$	\$	\$					
Median income	50,046	62,843	63,463	\$ 61,744	\$ 51,759	\$ 63,728	\$ 69,093	\$ 82,889

Berks County and Exeter Township Population below poverty level

 Exeter Township has a lower percentage of the population below the poverty level than Berks County

Poverty Rates	Berks, 2019	Exeter, 2019
below poverty level	41338	1150
percentage	10.14%	4.55%
Population for whom		
poverty is determined	407,582	25,300
Total Population	421,164	25,689



Existing Data

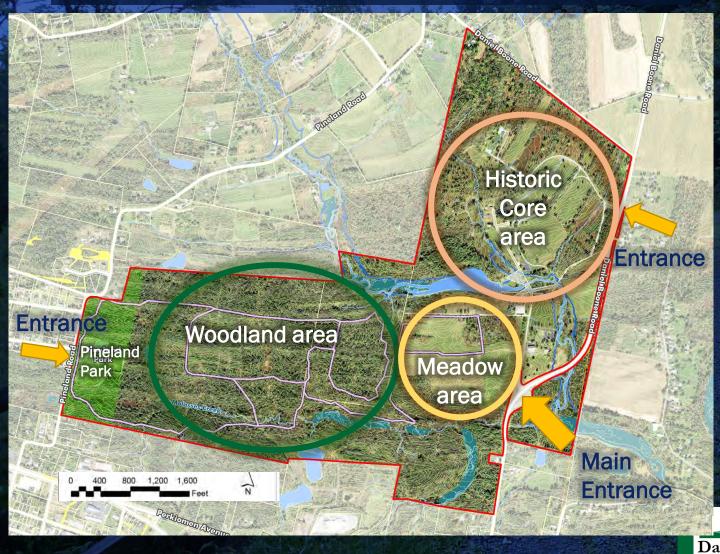
Project Site



Legend Project Boundary Parcels Trails Parks Floodplain Wetland Water

Existing Data

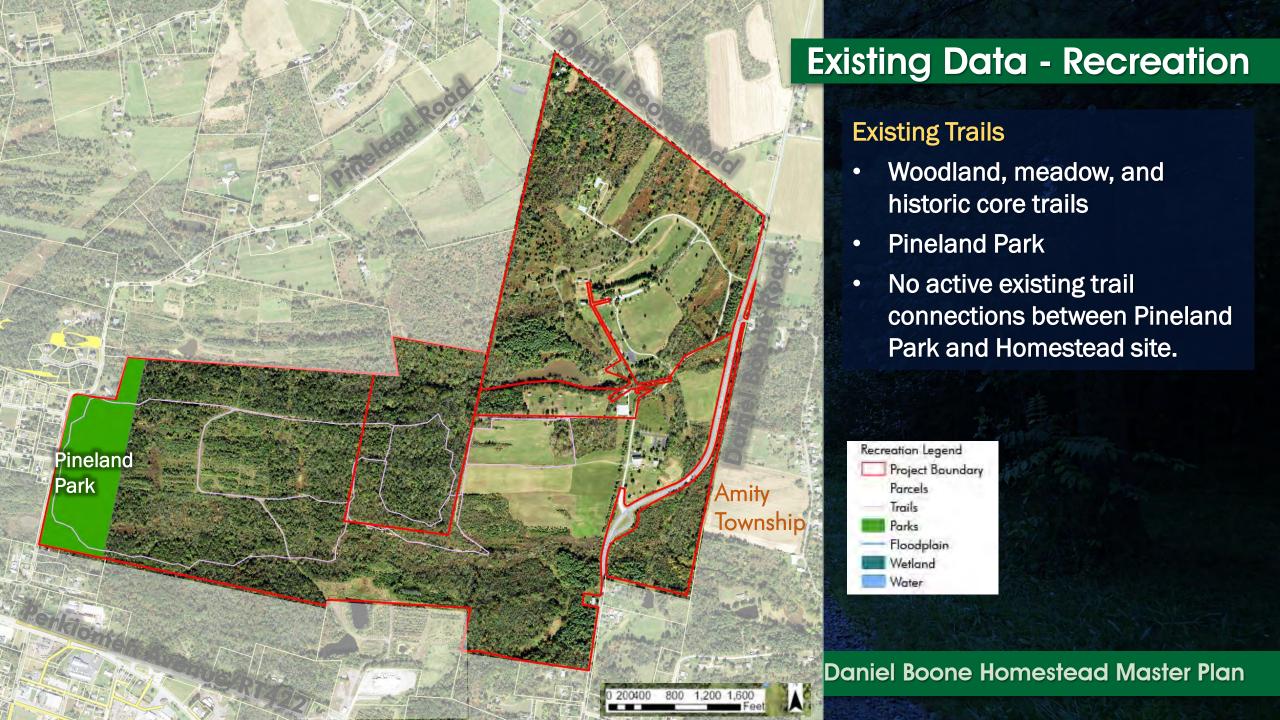
Site areas

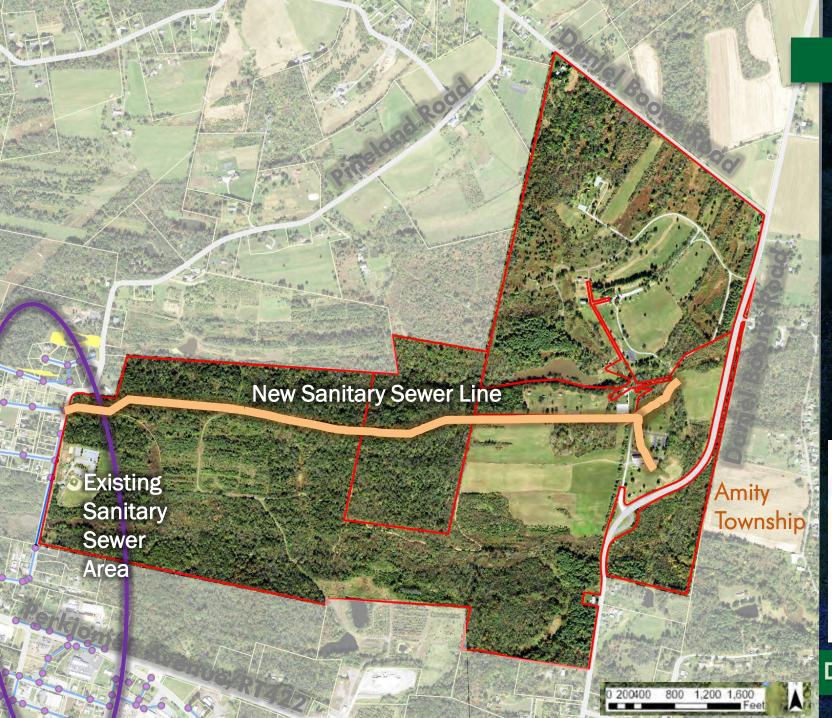


Legend
Project Boundary
Parcels
Trails
Parks
Floodplain
Wetland
Water
Site entrance

Daniel Boone
HOMESTEAD

Existing Data - Hydrology Site is divided into 3 different hydrology areas Molasses Creek and wetland Creek and area - wet and mucky soils wet areas Reservoir and wetland area open water views and woodland streams Owatin Creek, smaller streams Reservoir and wetland Molasses Creek and Hydrology Legend wetland wet area Project Boundary ownship Parcels Municipal Boundary Floodplain Wetland Water Daniel Boone Homestead Master Plan





Existing Data - Utilities

Network of existing sanitary utilities west of site

- Woodland, meadow, and historic core trails
- Pineland Park

New Sanitary Sewer Line

currently under construction

Utilities Legend

Project Boundary

Parcels

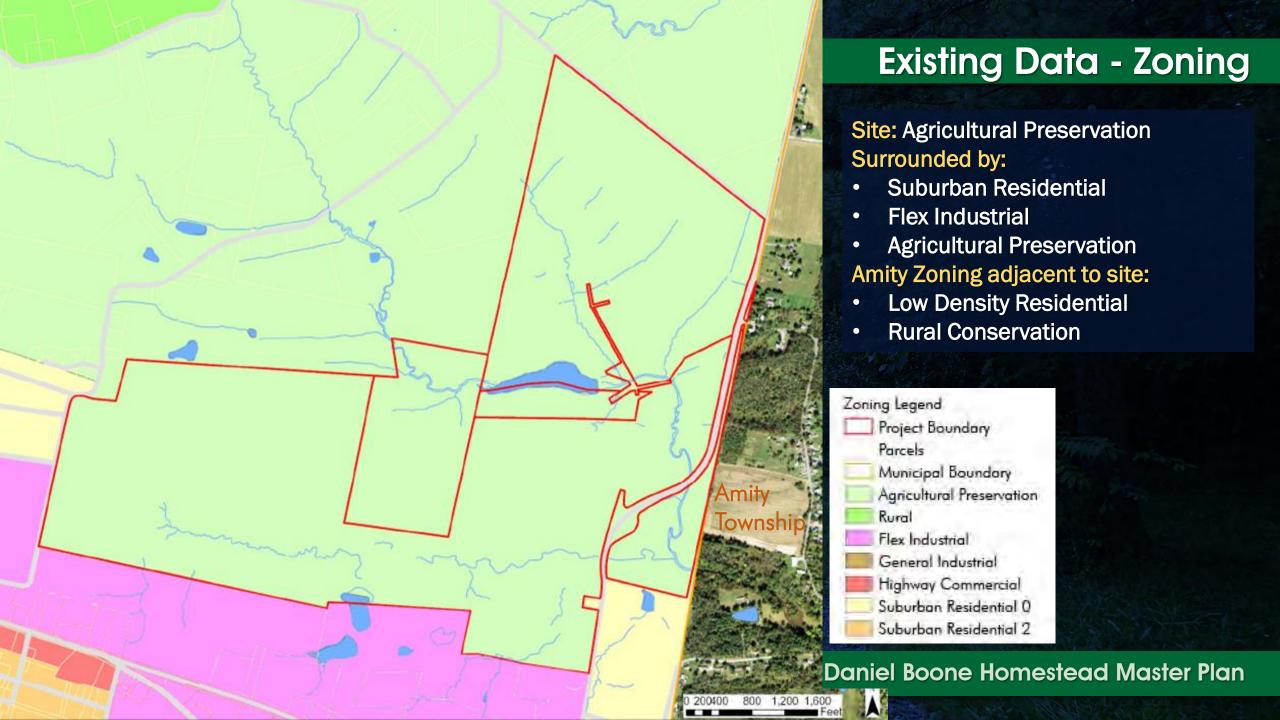
Easement

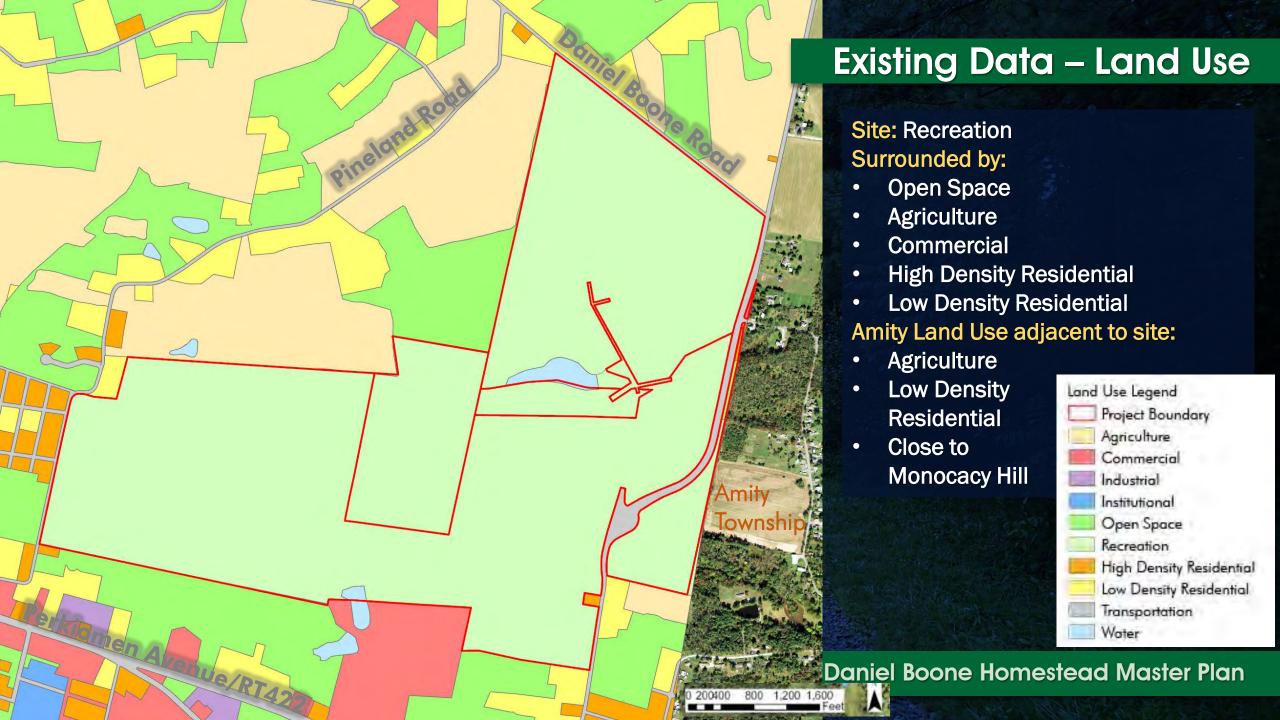
Sanitary Sewer Line

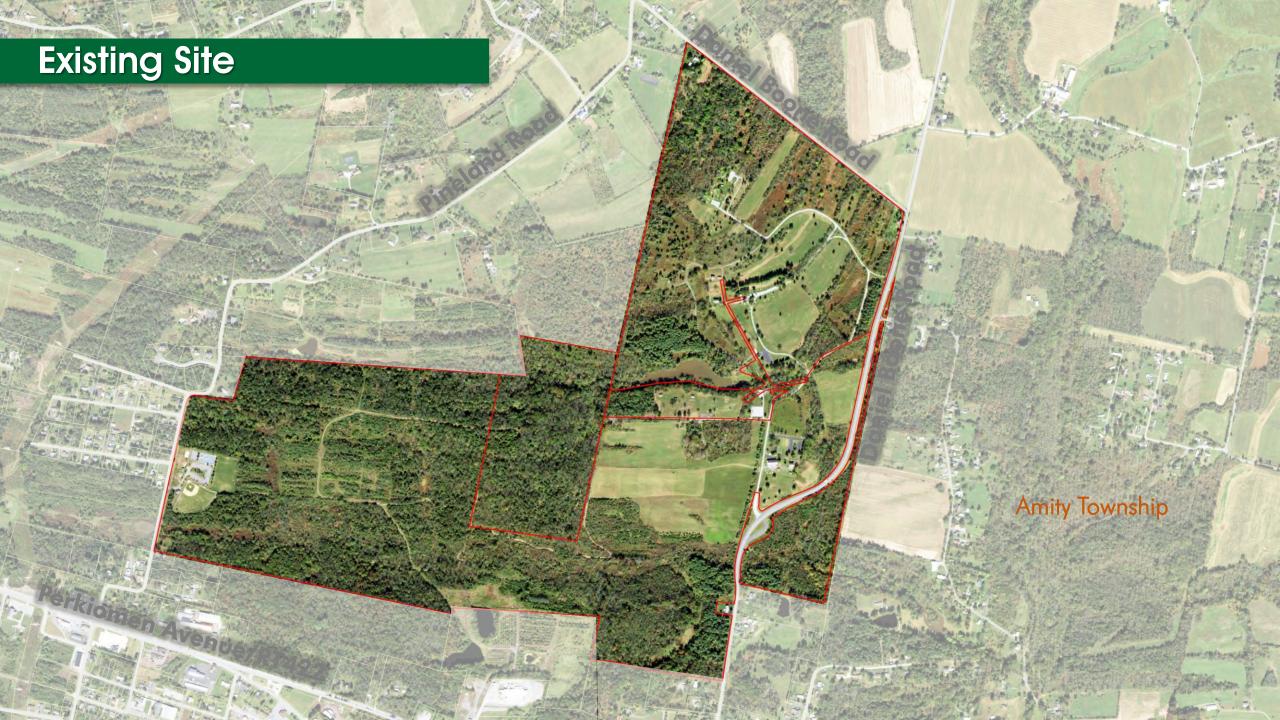
Sanitary Manholes

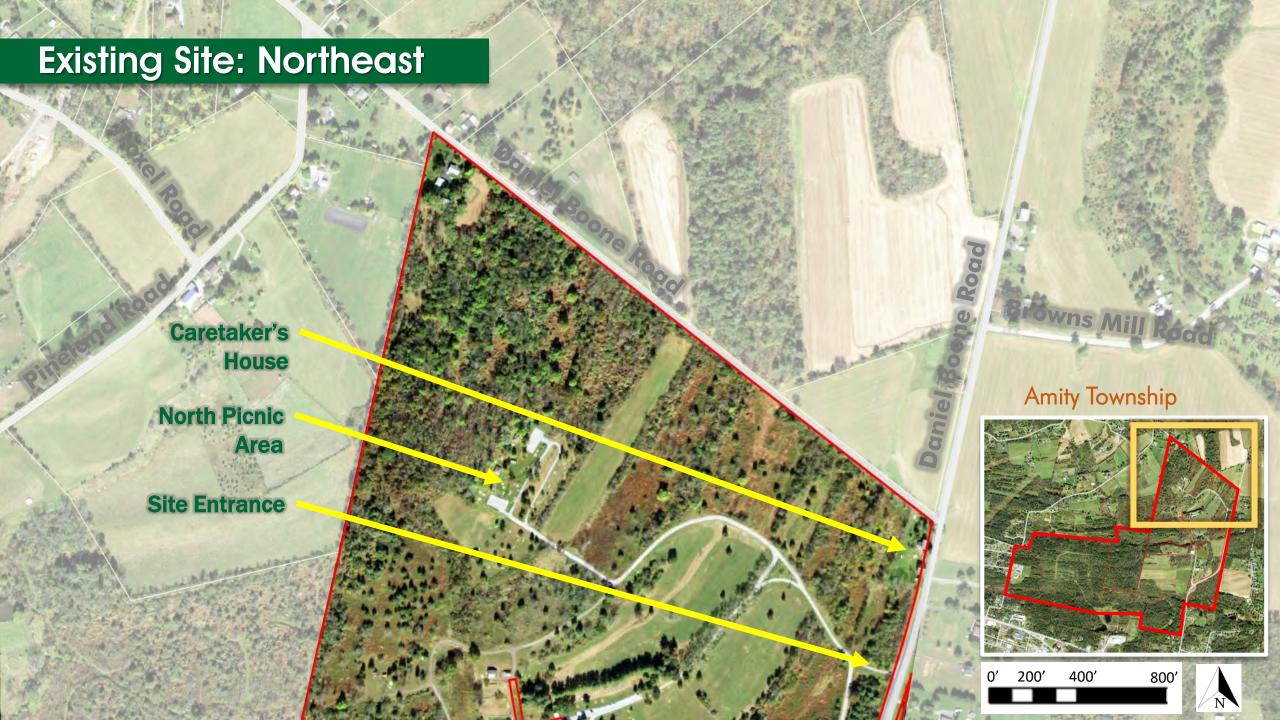
Fire Hydrants

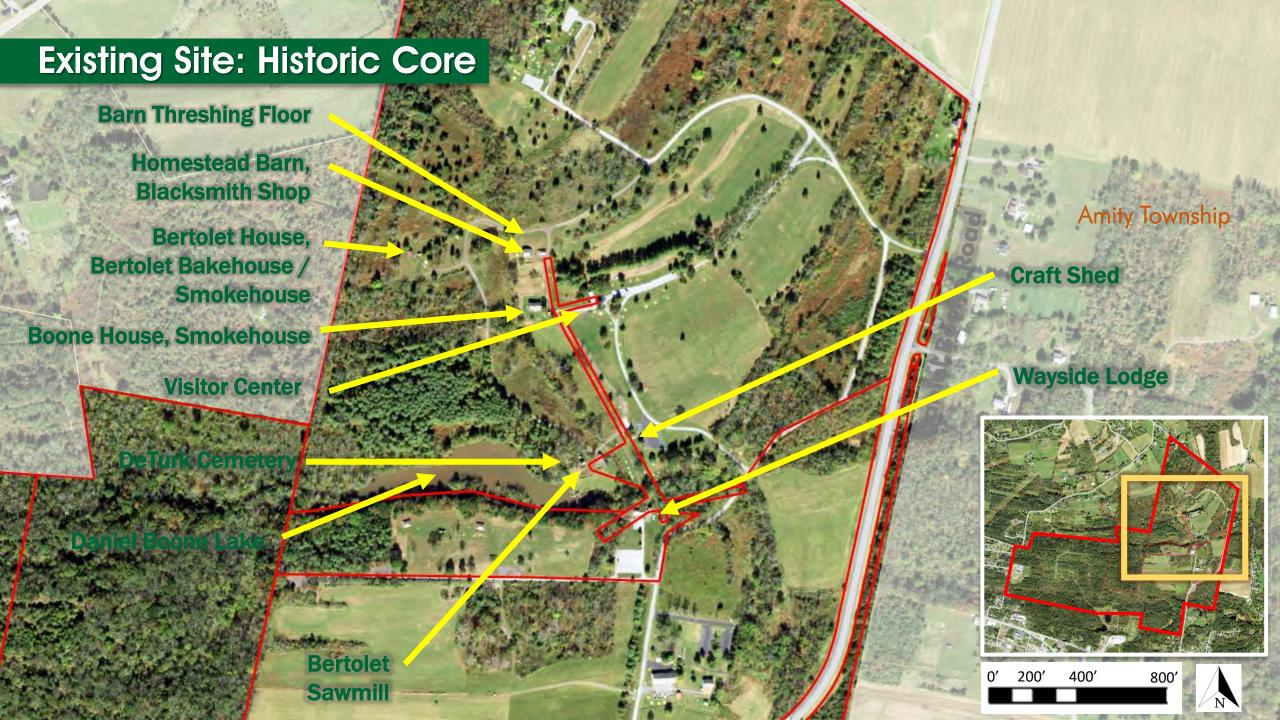
Future Sanitary Sewer Line

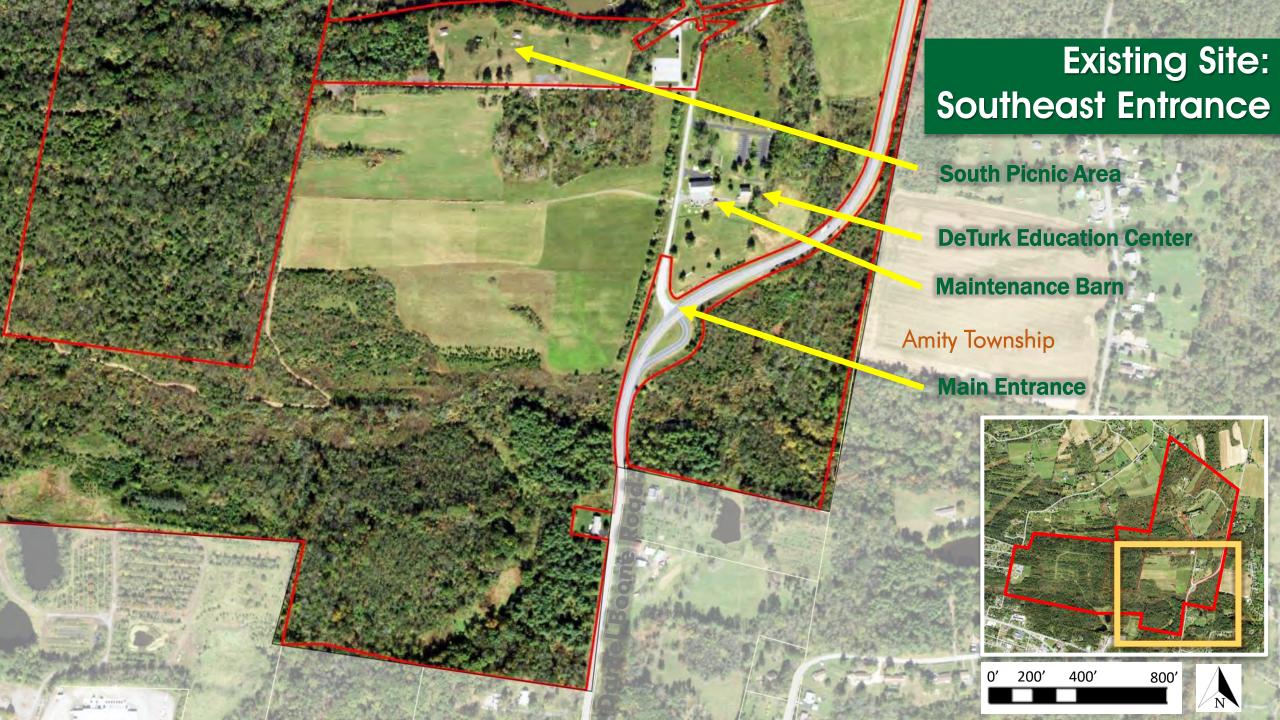


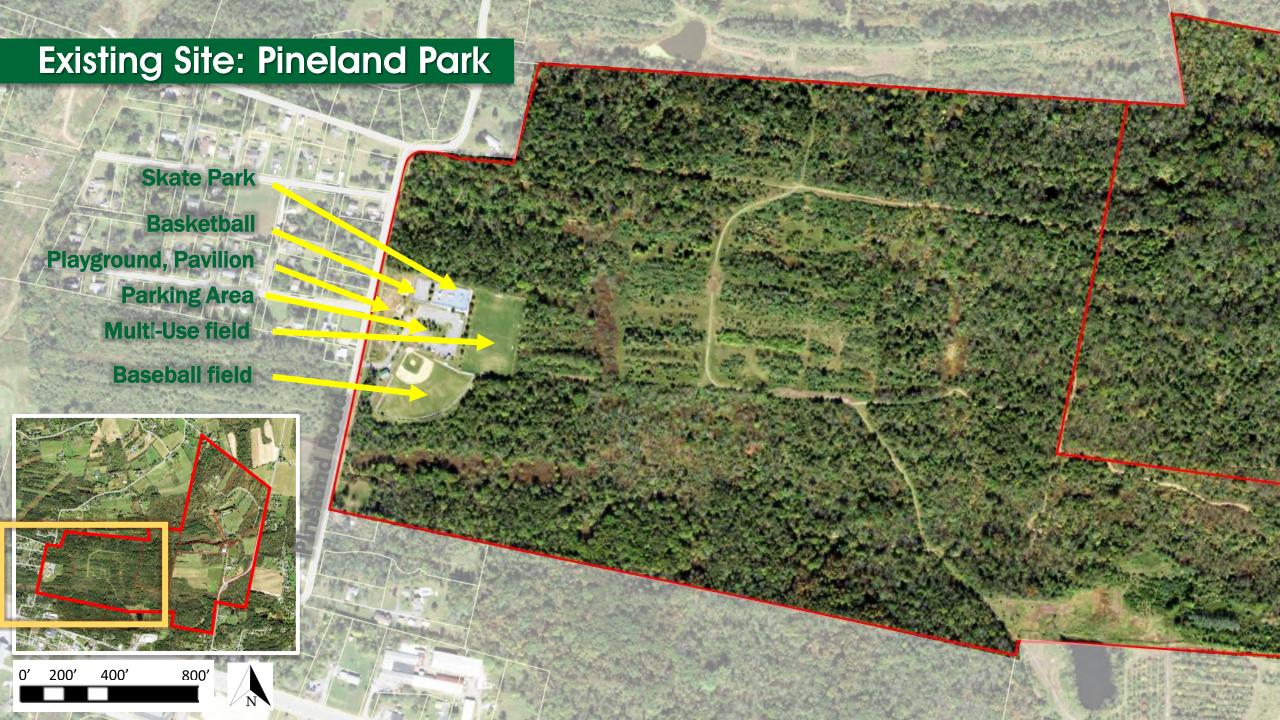










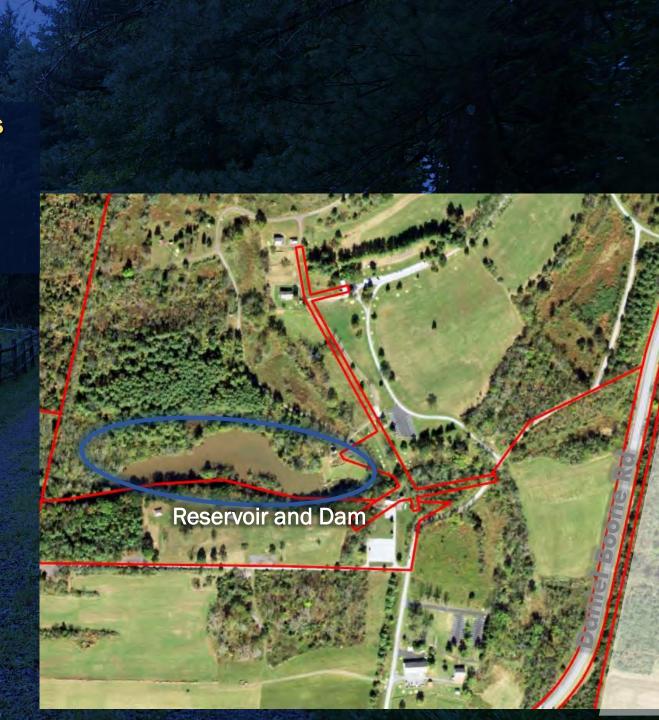


Future DGS Project

The Pennsylvania Department of General Services (DGS) project at Daniel Boone Homestead

- Dredge reservoir
- Address issues with the reservoir dam
- Earliest projected completion late 2023





Natural Resource Inventory

METHODS

- Unlimited-distance, Single-observer Point Count for Birds (permanent plots)
- Vegetation Community Mapping
 - Natural Ecosystems Characterization
 - Invasive plants
 - RTE Species Habitat/Presence
- Rapid Ecosystem Assessment
- Stream, Wetlands, and Fisheries Assessment
- Threatened and Endangered Animal Species Habitat Assessment
- Forestry Cruising
- Passive Insect Transects
- Timed Meanders for Botanical Diversity
- Deer Spotlight and Camera Trap Surveys



*No official sampling events have occurred for this site yet



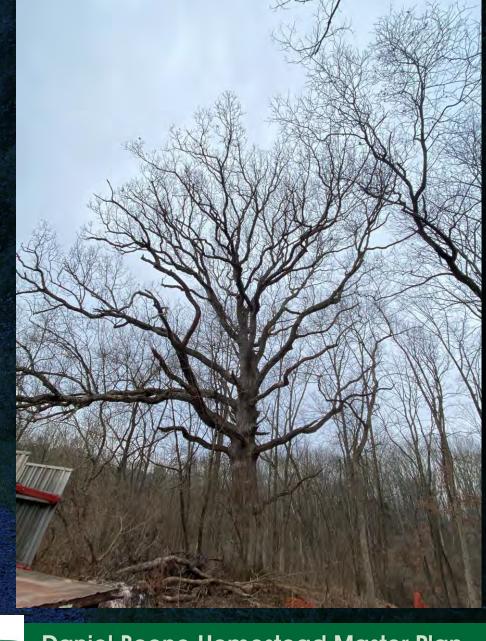
Natural Resource Inventory

A FEW INITIAL OBSERVATIONS

- Significant Raptor Presence
- Robust Herpetofaunal Habitat/Potential
- Palustrine Emergent and PFO Wetlands
- Many Natural Springs
- 24 bird species counted during passive observation great habitat diversity!
- White Oak from the 1700's









Natural Resource Inventory

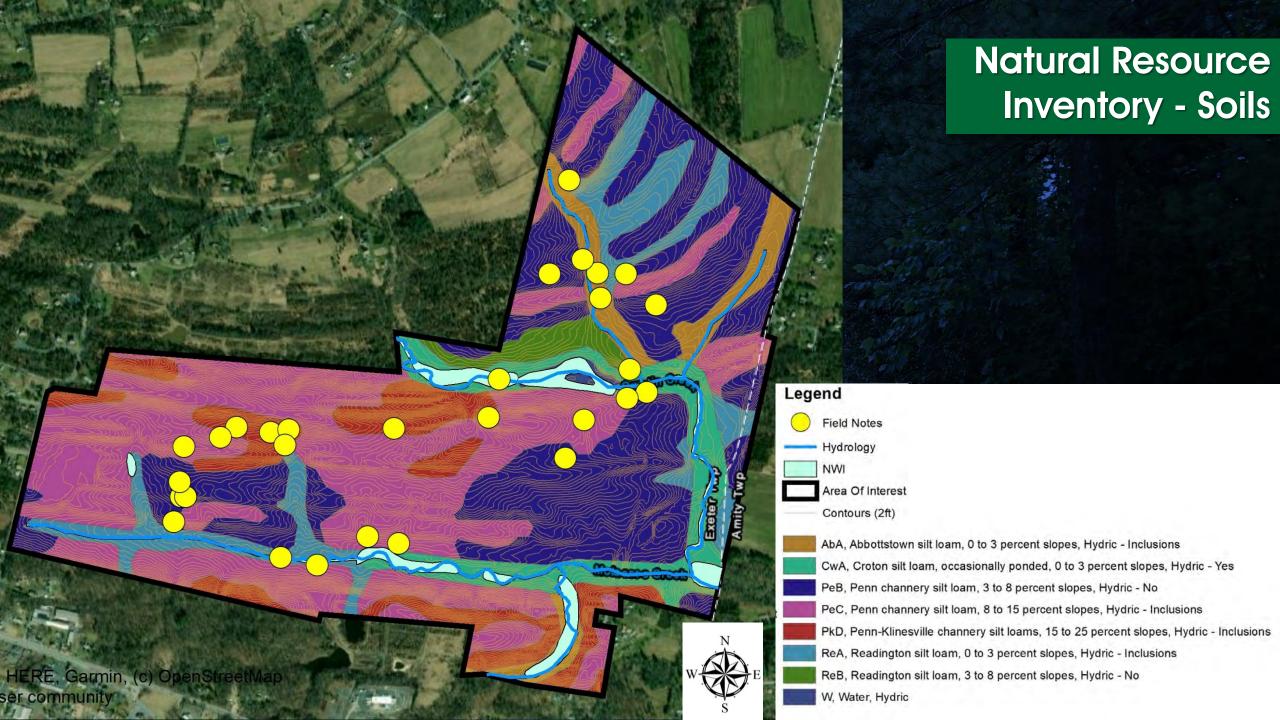
Potential

- Savanna restoration to host more grassland and savanna species (American pipits during first visit!)
- Wetland and riparian buffer restoration to increase water quality, reduce erosion
- Removal of invasive plants and thinning of non-native canopy to encourage a diversity of structure and species
- Synthesize historic and ecological value to best steward the land and provide a public experience
- Amazing wetland mosaics









Historic Core Structure

BUILDING / STRUCTURE ASSESSMENT High-level assessment of 14 structures

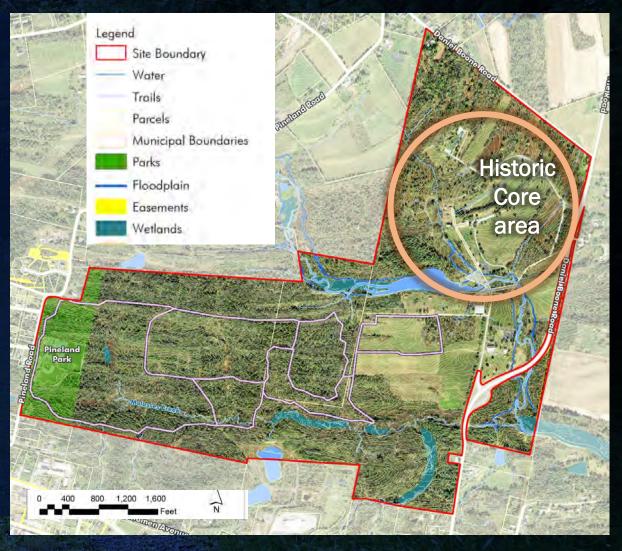
- (7) 18th century structures in the Historic Core
- (7) 19-20th century structures outside the Historic Core

Evaluate Structures for

- Overall condition
- Significance
- Utility
- ADA Upgrades
- Building Code Upgrades
- Recommended preservation treatments

STRUCTURES

- 14 structures total
- 7 are 18th century
- 4 of those 7 were moved to the site in the mid 20th c.





Historic Core Structures

HISTORIC CORE

- BOONE HOUSE earliest log house structure 1730
- SMOKEHOUSE 18th c.
- DETURK BARN / HOMESTEAD BARN part 18th c. MOSTLY REBUILT
- BLACKSMITH SHOP 18th c structure, MOVED to site 1968
- BERTOLET HOUSE (BERTOLET CABIN) 18th c structure, MOVED to site 1968
- BERTOLET BAKEHOUSE / SMOKEHOUSE 18th c structure, MOVED to site 1968
- BERTOLET SAWMILL oldest working water powered vertical blade sawmill in PA MOVED to DB 1972





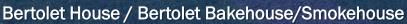


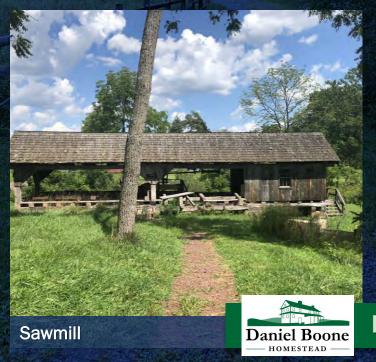
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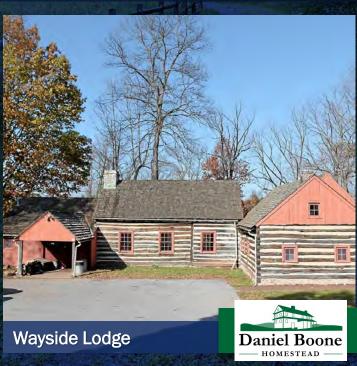




OUTSIDE THE HISTORIC CORE

- VISITORS CENTER mostly 20th c.
- WAYSIDE LODGE c. 1940
- DETURK EDUCATIONAL CENTER c. 1812
- MAINTENANCE BARN
- RESTROOM BUILDING 20th c
- UTILITY BUILDING 20th c
- RESIDENCES (?)





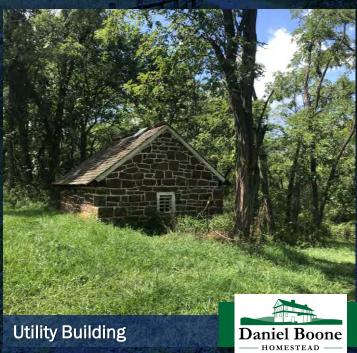




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BUILDING / STRUCTURE ASSESSMENT High-level assessment of 14 structures

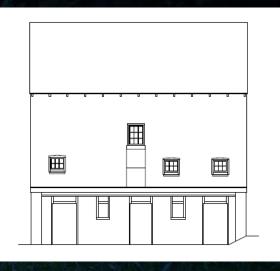
- (7) 18th century structures in the Historic Core
 - Anticipated use to remain unchanged
- (7) 19-20th century structures outside the Historic Core
 -rehabilitation may be considered

Historic Core Assessments will focus on:

- Overall condition:
 Exposed framing, windows, doors, finishes
- ADA Upgrades: where can accessibility be reasonably improved without comprising historic integrity?









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Assessments of Structures outside the Historic Core will focus on:

- Overall condition:
 Windows, doors, finishes
- Building Code Compliance: Restrooms, access
- Potential reuse / expansions / rehabilitation
 & order of magnitude cost estimates



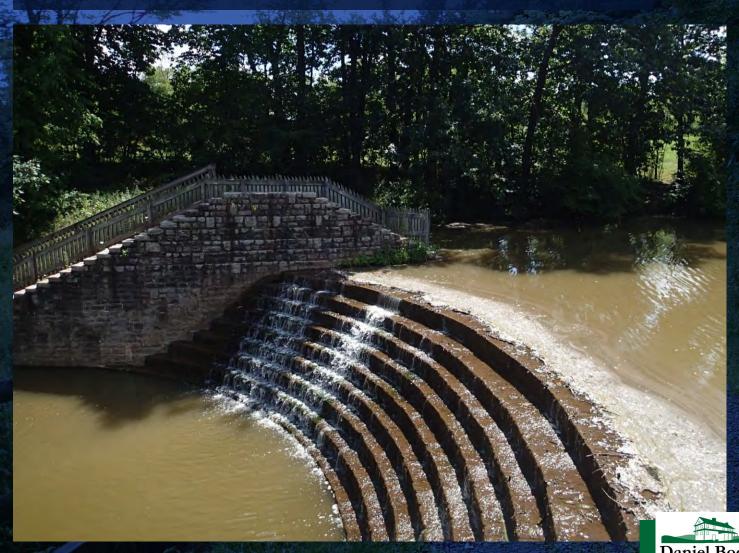








Dam and Reservoir



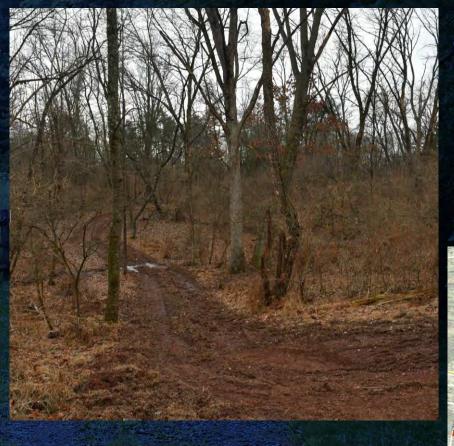




Trailer Parking, maintenance access and equestrian trail











Woodland area trail, Samuel Boone House ruins











Molasses Creek, creek bridge











Northern Picnic Area



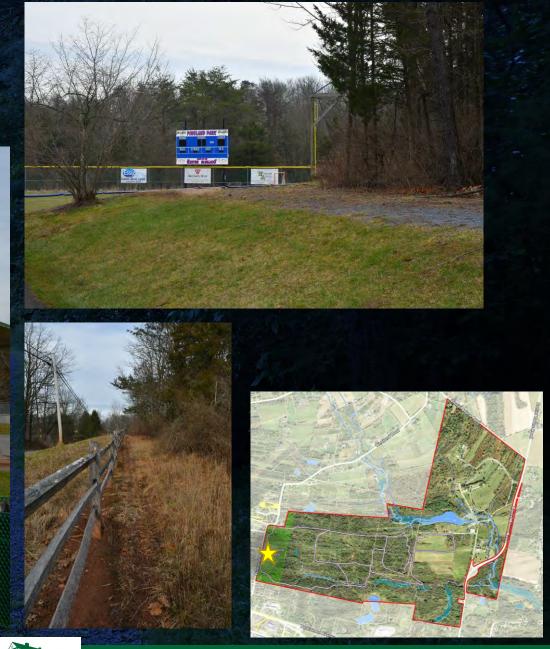




Pineland Park



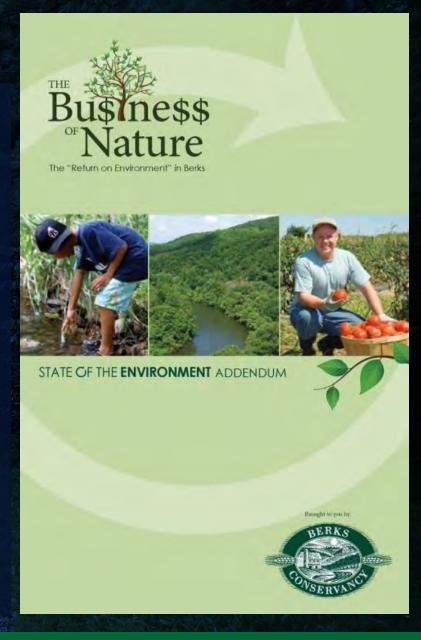
There does not appear to be a direct connection between Pineland Park and the homestead.





The "Return on the Environment" in Berks – Sept 2015

"Access to open space, trails and park facilities are community assets that add to our overall quality of life."





The "Return on the Environment" in Berks – Sept 2015

Nearly 336,000 people in Berks County participate in some form of outdoor activity that is 82% of our population!

This is based on the PA Department of Conservation and Natural Resources' Outdoors Report on participation rates for the most popular recreational activities. With rising gasoline prices and volatile economic cycles, having nature available close to home becomes even more critical for people who want recreation and relaxation.

\$47 million

Camping contributes to the Berks economy annually.

\$84 million

Wildlife watching contributes to the Berks economy annually.

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Biking contributes to the Berks economy annually.



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Plants and trees along streams provide \$77 million of flood control in Berks.

Riparian buffers (plants and trees along streams) and wetlands are natural systems that provide services in the form of flood protection, water treatment, pollination and fauna to the local economy. According to the SmartConservationTM Model, a monetary value can be placed on natural systems. The SmartConservationTM Model is a conservation planning tool for policy-makers and conservation practitioners to make educated decisions about how to prioritize conservation projects, thereby focusing conservation dollars for the maximum impact.

\$13.00

Restoring wetlands can return thirteen dollars in benefits for every dollar invested.

over \$3,000

Headwaters & riparian areas provide per acre to the local economy each year in ecosystem services.. \$0.00

Cost to create your own riparian buffer along a stream – stop mowing and nature will do the rest!



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The "Return on the Environment" in Berks – Sept 2015

All of the above and more! Recreational resources alone create 6,000 jobs in Berks.

According to data sets from the U.S. Bureau of Economic Analysis and one of the most standard economic modeling systems, IMPLAN, the number of jobs created from an industry can be determined from annual economic revenue. For example, if a new sporting goods store moved into Berks County with an estimated \$100 million worth of revenue, the number of jobs created can be determined by adding the direct jobs (all jobs created at the sporting goods store), indirect jobs (jobs of all the suppliers to the sporting goods store) and induced jobs (people working to service those spending their paychecks on groceries, entertainment, etc.).

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Kayaking contributes to the Berks economy annually.

\$6 million

Hawk Mountain Sanctuary annual local economic impact from tourism

60,000

On average, people who use the Schuylkill River Trail in our region annually.



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The "Return on the Environment" in Berks – Sept 2015

- Trails are the #1 recreational need;
- Water quality & streams are the most important resource;
- 73% of public believe parks, open space, greenways & trails increase property value;
- 82% of public agree that it's important to preserve habitat and create connections for wildlife movement.

So What? Outdoor Recreation is increasing in Berks County.

Demand for outdoor recreation is increasing at the state and Berks County level and the natural resource capacity needs to be maintained and expanded to meet future demand.

What would happen if your favorite park or fishing spot would close due to new development or lack of funds?



According to Berks Countians:

- . Trails were ranked #1 as "most important" in satisfying household recreational needs
- Water quality and streams were ranked as "most important" natural resources to Berks
 County citizens in a survey, followed closely by scenic views.
- 73% (mean) of respondents in a county-wide survey agreed that parks, protected natural areas, and greenways & trails increase the value of nearby properties.
- Over 82% of survey respondents agreed that it is important to preserve habitat and create connections that will allow for the movement of wildlife.

Citizens Survey Results - Berks County Greenway, Park and Recreation Plan

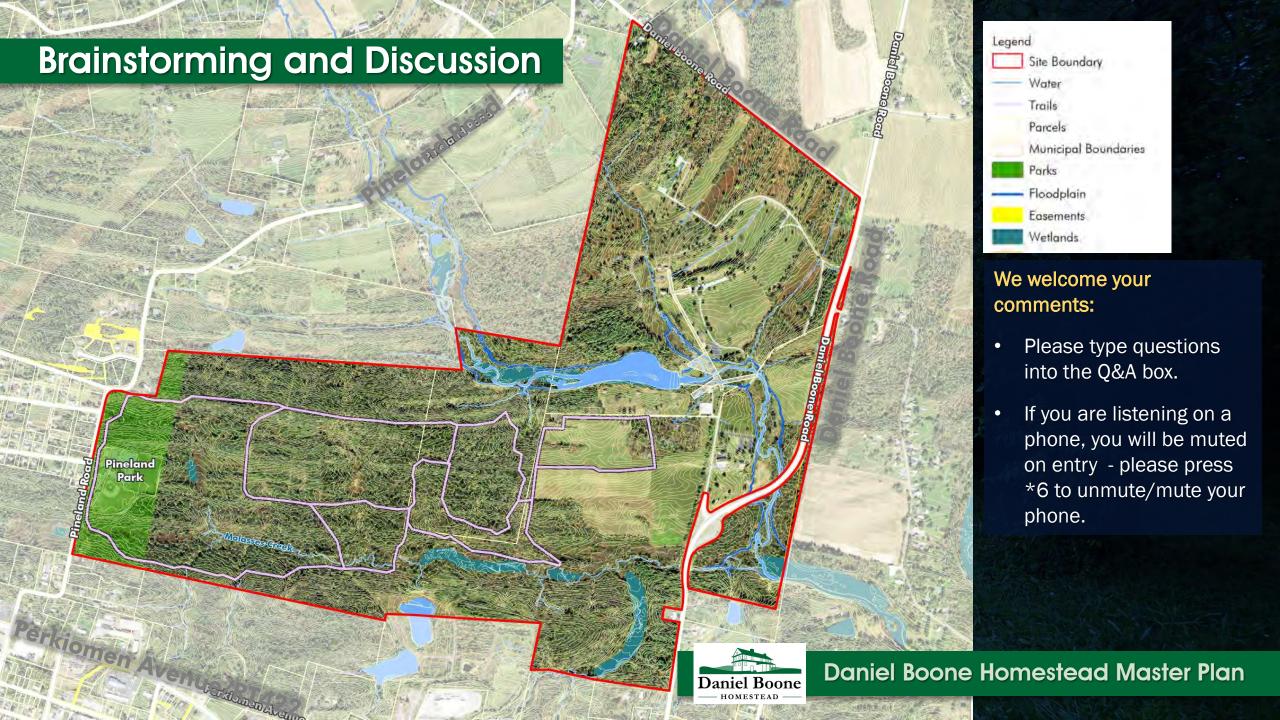
What now?

Currently only 39% of Berks County residents live within ¼ mile of a public park or recreation area. The National Park and Recreation Association (NRPA) recommends at minimum, municipalities should provide 6.25 – 10.5 acres of open space/recreational opportunities per 1,000 residents 62% of the 73 municipalities in Berks are deficient for providing recreational facilities to their residents.

Implementation of the County Greenway, Park and Recreation plan and more connections and promotion are necessary to provide open space and recreational opportunities to the Berks county residents that better meet the national standard. Promote the public resources and volunteer to help maintain them. Local governments, agencies and non-profit organizations need to think across boundaries to utilize and promote greenways and recreation regionally.







Brainstorming & Discussion

GOALS

Goals for the project — initially broad, then specific

Facts - What we know already about Daniel Boone Homestead

FACTS

CONCEPTS

Ideas for attaining project goals – Opportunities for improvement

Partners - Groups, Businesses, Institutions to create a partnership with

PARTNERS



Brainstorming & Discussion

CONCEPTS **FACTS PARTNERS GOALS EXISTING** Provide for **TRAIL DCNR** HISTORICAL **ALL AGES HIERARCHY S**TRUCTURES **EXISTING P**RESERVE **BERKS** WILDLIFE BOXES **COUNTY** RESOURCES **EVENTS** IMPROVE SAFETY Ex. **HISTORY** FOR PEDESTRIAN PLAY AT **EXETER TOWNSHIP PROGRAMMING** & EQUESTRIAN **PINELAND**





1. Please take the Public Opinion Survey:

https://www.surveymonkey.com/r/DanielBooneHomestead





Daniel Boone Homestead Public Opinion Survey

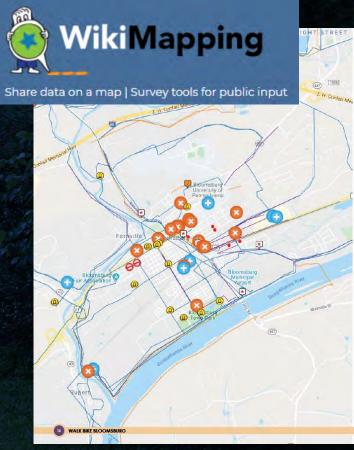
Demographics

- 1. What is the name of the municipality in which you live?
- Exeter Township
- O St Lawrence Borough
- Amity Township
- Robeson Township
- Birdsboro Borough
- O Union Township

Next Steps: Wiki Mapping

- 1. WikiMapping allows residents to virtually pin on a map:
- Please pin any known locations for existing conditions and locations for desired open space and recreation improvements.
- The link to this resource will be activated this week:

https://wikimapping.com/DanielBooneHomestead.html



Result Formatting — Bloomsburg PA
Walk / Bike Project



Next Steps

- 1. Public Meeting #2 Thursday, May 27 @ 7pm
- 2. Public Meeting #3 Monday, September 27 @ 7pm

Meeting Title	Meeting Date	Meeting Time
Committee Meeting #1	January	
Committee Meeting #2	February	
Public Meeting #1 - Programming / Brainstorm	March	
PHMC Meeting #1	April	
Committee Meeting #3	April	
Public Meeting #2 - Initial Concepts	Thursday, May 27	7PM-9PM
Committee Meeting #4	June	Mark Mary
Key Person Interviews (10)	Dates TBD	TBD
Web Based Survey - write and administer	April 1 through September 1	online
Wiki - Mapping interactive community mapping	April 1 through September 1	online
Public Meeting #3 Draft Plan - BOS Meeting	Monday, September 27	7PM-9PM
PHMC Meeting #2	October	
Committee Meeting #5	November	
Public Meeting #4 - Final Plan	Tuesday, November 30	7PM-9PM

Thank You

SIMONE COLLINS LANDSCAPE ARCHITECTURE - 610.239.7601

- Peter Simone, RLA, FASLA, Principal psimone@simonecollins.com
- Pankaj Jobanputra, AICP, Project Manager pjobanputra@simonecollins.com
- Melissa Barley, Staff Landscape Architect <u>mbarley@simonecollins.com</u>
- Geoff Creary, Land. Arch., Trails & Connectivity Expert / Graphics gcreary@simonecollins.com

EXETER TOWNSHIP - 610.779.5660

- Laurie Getz, Assistant Township Manager <u>lgetz@exetertownship.com</u>
- Will Brugger, Zoning Officer <u>wbrugger@exetertownship.com</u>



